

In the Claims:

1. (Original) An airborne missile launch method comprising:
 - receiving positioning information;
 - creating a missile profile mission;
 - creating a mission in a first format by combining the created missile profile mission with the received positioning information;
 - loading the mission into a navigation system of a missile;
 - generating a mission-loaded signal upon completion of mission loading into the missile;
 - converting the generated mission-loaded signal to a second format for interpretation by an aircraft command-launch control set system; and
 - presenting a flight crew with information that mission loading has been completed based on the received converted completion signal.
2. (Original) The method of Claim 1, further comprising:
 - generating a launch command at the aircraft command-launch control set system;
 - converting the launch command into a format associated with the missile;
 - sending the converted launch command to the missile; and
 - performing a launch of the missile based on the received converted launch command.
3. (Original) An airborne missile launch system including one or more missiles comprising:
 - an aircraft command-launch control set system arranged to process data in a first format; and
 - an interface controller coupled to the aircraft command-launch control set system and the one or more missiles, the controller comprising:
 - a first component configured to create a missile profile mission;
 - a second component configured to create a mission in a second format for processing by the one or more missiles by combining the created missile profile mission with received positioning information;
 - a third component configured to send the mission to one of the missiles for loading;



25315

PATENT TRADEMARK OFFICE

- 2 -

BOEI-1-1017RFOA

BLACK LOWE & GRAHAM^{PLC}

701 Fifth Avenue, Suite 4800
Seattle, Washington 98104
206.381.3300 • F: 206.381.3301

- a fourth component configured to receive a mission-loaded signal upon completion of mission loading into one of the missiles; and
- a fifth component configured to convert the generated mission-loaded signal from the first format to the second format for interpretation by the aircraft command-launch control set system.

4. (Original) The system of Claim 3, wherein the aircraft command-launch control set system comprises a component configured to generate a launch command, and wherein the controller comprises:

- a sixth component configured to convert the launch command into the first format; and
- a seventh component configured to send the converted launch command to the associated missile.

5. (Original) The system of Claim 1, wherein the one or more missiles are Harpoon Block II missiles.

6. (Original) The system of Claim 1, wherein the aircraft command-launch control set is a Harpoon aircraft command-launch control set.



25315

PATENT TRADEMARK OFFICE